

chain nodes :

14 15 17 18 19 20 21

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

6-7 11-14 14-15 14-17 17-18 18-19 19-20 20-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

7-8 7-12 8-9 9-10 10-11 11-12 11-14 14-15 14-17 17-18 18-19 19-20 20-21

exact bonds :

6-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 7 :

G1:A,Ak

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 14:CLASS 15:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS

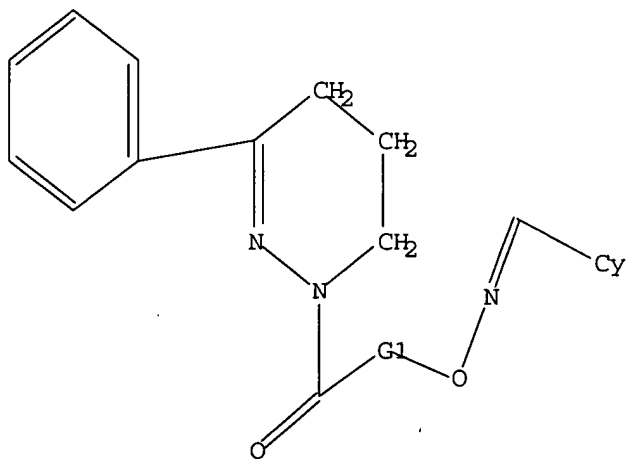
21:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 A,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

<11/09/2005>

Habte

SAMPLE SEARCH INITIATED 13:25:08 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

100.0% PROCESSED 16 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 80 TO 560  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 sss full  
FULL SEARCH INITIATED 13:25:15 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 329 TO ITERATE

100.0% PROCESSED 329 ITERATIONS 23 ANSWERS  
SEARCH TIME: 00.00.05

L3 23 SEA SSS FUL L1

=> file caplus	
COST IN U.S. DOLLARS	SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST	161.33 161.54

FILE 'CAPLUS' ENTERED AT 13:25:27 ON 09 NOV 2005  
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FILE COVERS 1907 - 9 Nov 2005 VOL 143 ISS 20  
FILE LAST UPDATED: 8 Nov 2005 (20051108/ED)

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L4 1 L3

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:

2003:991488 CAPLUS

DOCUMENT NUMBER:

140:27834

TITLE:

Preparation of pyridazinylloximes as phosphodiesterase IV inhibitors.

INVENTOR(S):

Eggenweiler, Hans-Michael; Beier, Norbert; Schelling, Pierre; Wolf, Michael

PATENT ASSIGNEE(S):

Merck Patent G.m.b.H., Germany

SOURCE:

PCT Int. Appl., 137 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

1

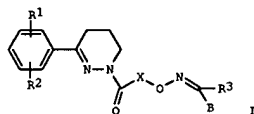
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003104205	A1	20031218	WO 2003-EP5173	20030516
V: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10225574	A1	20031218	DE 2002-10225574	20020610
CA 2488934	AA	20031218	CA 2003-2488934	20030516
BR 2003011311	A	20050215	BR 2003-11311	20030516
EP 1511737	A1	20050309	EP 2003-732395	20030516
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005330650	T2	20051104	JP 2004-511275	20030516
US 2005209240	A1	20050922	US 2004-517438	20041210
PRIORITY APPL. INFO.:			DE 2002-10225574	A 20020610
			WO 2003-EP5173	W 20030516

OTHER SOURCE(S):

MARPAT 140:27834

GI



AB Title compds. [I: R1, R2 = H, OH, OR8, SR8, SOR8, SO2R8, halo; R1R2 = OCH2O, OCH2CH2O; R3 = H, AR7, COAR7, CO2AR7, CONH2, NH2, etc.; R7 = H, CO2H, NH2, OH, etc.; R8 = (substituted) alkyl, alkenyl, cycloalkyl,

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

alkylene, cycloalkyl, etc.; A = null, (O, S, SO, SO2, imino-interrupted) alkylene, alkenylene, cycloalkylene; B = (substituted) aryl, heteroaryl; X = (O, S, SO, SO2, imino-interrupted) alkylene, were prepd. as phosphodiesterase IV inhibitors for treating osteoporosis, tumors, cachexia, atherosclerosis, rheumatoid arthritis, multiple sclerosis, diabetes mellitus, inflammatory processes, allergies, asthma, autoimmune diseases, myocardial diseases and AIDS (no data). Thus, 3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-4H-pyridazine was treated sequentially with chloroacetyl chloride, N-hydroxyphthalimide, ethanolicamine, and 4-methoxybenzaldehyde to give 4-methoxybenzaldehyde O-[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-4H-pyridazin-1-yl]-2-oxoethyl]oxime.

IT 634206-27-2P 634206-28-3P 634206-29-4P  
634206-30-7P 634206-31-8P 634206-32-9P  
634206-33-0P 634206-34-1P 634206-35-2P  
634206-36-3P 634206-37-4P 634206-38-5P  
634206-40-8P 634206-41-0P 634206-42-1P  
634206-43-2P 634206-45-4P 634206-48-7P  
634206-50-1P 634206-51-2P 634206-55-6P  
634206-56-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyridazinylloximes as phosphodiesterase IV inhibitors)

RN 634206-27-2 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(4-methoxyphenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-28-3 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(phenylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-29-4 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(4-hydroxyphenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-30-7 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(4-pyridinylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-31-8 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(1-oxido-4-pyridinyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-32-9 CAPLUS

CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(4-methoxy-3-propoxyphenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-33-0 CAPLUS

CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(phenylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-34-1 CAPLUS

CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(4-nitrophenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-35-2 CAPLUS

CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(1-oxido-4-pyridinyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-36-3 CAPLUS

CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(4-nitrophenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

634206-37-4 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-38-5 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-39-6 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-40-8 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-41-0 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-42-1 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-43-2 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-44-3 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-45-4 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-46-5 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-47-6 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-48-7 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-49-8 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-50-1 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-51-2 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-52-3 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-53-4 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-54-5 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-55-6 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-56-7 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-57-8 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-58-9 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-59-0 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-60-1 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-61-2 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-62-3 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-63-4 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-64-5 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-65-6 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-66-7 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-67-8 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-68-9 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-69-0 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-70-1 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-71-2 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-72-3 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-73-4 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-74-5 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-75-6 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

634206-76-7 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

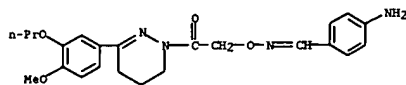
634206-77-8 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

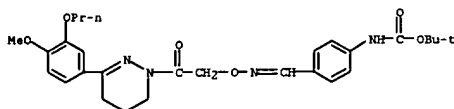
634206-78-9 CAPLUS

CN Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)

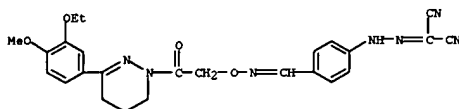
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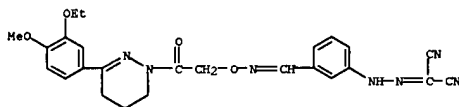
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CN Carbamic acid, [4-[[[2-[5,6-dihydro-3-(4-methoxy-3-propoxyphenyl)-1(4H)-pyridazinyl]-2-oxoethoxy]imino]methyl]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



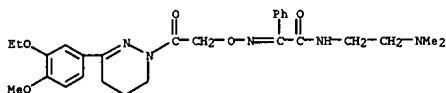
RN 634206-40-9 CAPLUS  
CN Pyridazine, 1-[[[[[4-{(dicyanomethylene)hydrazino}phenyl]methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)



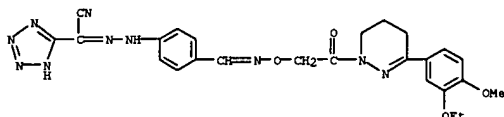
RN 634206-41-0 CAPLUS  
CN Pyridazine, 1-[[[3-[(dicyanomethylene)hydrazino]phenyl)methyl]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)



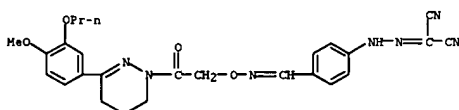
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 634206-50-1 CAPLUS  
CN Pyridazine, 1-[[[4-[(cyano-1H-tetrazol-5-ylmethylene)hydrazino]phenyl]methyl]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-  
(9CI) (CA INDEX NAME)



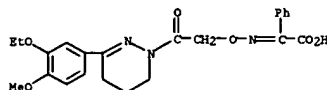
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CN Pyridazine, 1-[[[4-[(dicyanomethylene)hydrazino]phenyl)methylene]amino]o-  
xy]acetyl]-1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA  
INCEX NAME)



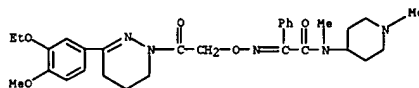
RN 634206-55-6 CAPLUS  
CN Pyridazine, 1-[[[[[4-[(dicyanomethylene)hydrazino]phenyl)methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-, potassium salt (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

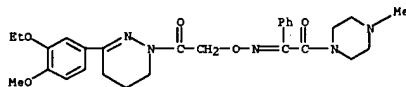
RN 634206-42-1 CAPLUS  
CN Benzeneacetic acid,  $\alpha$ -[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-1(4H)-pyridazinyl]-2-oxoethoxy]imino]- (9CI) (CA INDEX NAME)



RN 634206-43-2 CAPLUS  
CN Benzenesacetamide,  $\alpha$ -{[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-1(4H)-pyridazinyl]-2-oxoethoxy]imino}-N-methyl-N-(1-methyl-4-piperidinyl)-(9CI) (CA INDEX NAME)

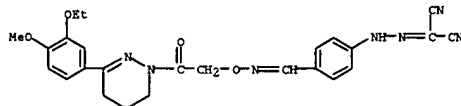


RN 634206-45-4 CAPLUS  
CN Pyridazine, 3-(3-methoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[2-(4-methyl-1-piperazinyl)-2-oxo-1-phenylethylidene]amino]oxy]acetyl]- (SCI)  
(CA INDEX NAME)

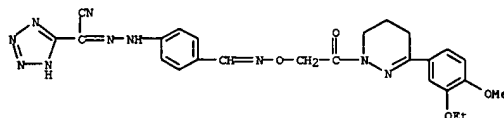


RN 634206-48-7 CAPLUS  
CN Benzeneacetamide, N-[2-(dimethylamino)ethyl]-α-[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-1(4H)-pyridazinyl]-2-oxoethoxy]imino- (9CI)  
(CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

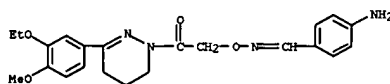


RN 634206-56-7 CAPLUS  
CN Pyridazine, 1-[[[4-[(cyano-1H-tetrazol-5-ylmethylene)hydrazino]phenyl]methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-, monopotassium salt (9CI) (CA INDEX NAME)



IT 634206-57-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of pyridazinylloximes as phosphodiesterase IV inhibitors)

RN	634206-57-8	CAPLUS
CN	Pyridazine, 1-[[[(4-aminophenyl)methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)	



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Broad  
Search  
(2)

chain nodes :

14 15 16 17 18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

6-7 11-14 14-15 16-17 17-18 18-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

7-8 7-12 8-9 9-10 10-11 11-12 11-14 14-15 16-17 17-18 18-19

exact bonds :

6-7

normalized bonds :

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isolated ring systems :

containing 7 :

Match level :

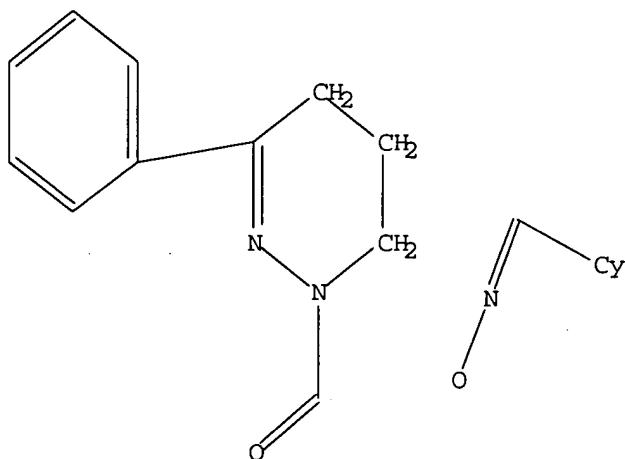
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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:42:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 16 TO ITERATE

100.0% PROCESSED 16 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.03

<11/09/2005>

Habte

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 80 TO 560  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 15:43:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 329 TO ITERATE

100.0% PROCESSED 329 ITERATIONS  
SEARCH TIME: 00.00.01

23 ANSWERS

L3 23 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 15:43:09 ON 09 NOV 2005

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FILE LAST UPDATED: 8 Nov 2005 (20051108/ED)

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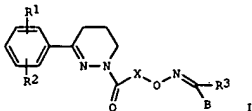
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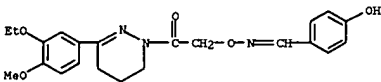
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS ON STN  
 ACCESSION NUMBER: 2003:991488 CAPLUS  
 DOCUMENT NUMBER: 140:27834  
 TITLE: Preparation of pyridazinyloximes as phosphodiesterase  
 IV inhibitors.  
 INVENTOR(S): Eysenweiler, Hans-Michael; Beier, Norbert; Schelling,  
 Pierre; Wolf, Michael  
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany  
 SOURCE: PCT Int. Appl., 137 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003104205	A1	20031218	WO 2003-EP5173	20030516
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RW:	GH, KG, KM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZA, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BF, BF, CG, CI, CM, GA, GN, GO, GP, GW, LR, NR, SN, TD, TG			
DE 10225574	AA	20031218	DE 2002-1022574	20020610
CA 148934	AA	20031218	CA 2003-248934	20030516
BR 2003011311	AA	20050215	BR 2003-11311	20030516
EP 1517373	AA	20050309	EP 2003-732395	20030516
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005533050	T2	20051104	JP 2004-511275	20030516
US 2005920440	AA	20050992	US 2004-517438	20041210
PRIORITY APPLN. INFO.:			US 2002-1022574	A 20020610
			WO 2003-EP5173	W 20030516
OTHER SOURCE(S):	MARPAT 140:27834			
GI				

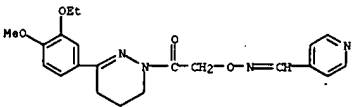


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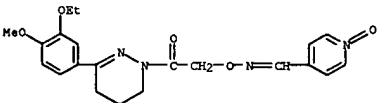
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)  
hydroxyphenyl)methylene]amino]oxy]acetyl)- (9CI) (CA INDEX NAME)



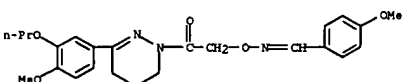
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CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[4-(pyridinylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)



RN 634206-31-8 CAPLUS  
CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(1-oxido-4-pyridinyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)



RN 634206-32-9 CAPLUS  
CN Pyridazine, 1,4,5,6-tetrahydro-1-[[[(4-methoxyphenyl)methylene]amino]oxy]acetyl]-3-(4-methoxy-3-propoxyphenyl)- (9CI) (CA INDEX NAME)



RN 634206-33-0 CAPLUS  
CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-  
[[[(phenylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)  
OC1Z0, OC2CHZ0; R = H, R7 = COAR7, COAR7, COH2, NH2, etc.; R7 = H, COZH, NH2, OH, etc.; R8 = (substituted) alkyl, alkenyl, cycloalkyl, alkylencycloalkyl, etc.; A = null, (0, S, SO, SO2, imino-interrupted) alkylene, alkenylene, cycloalkylene; B = (substituted) aryl, heteroaryl; X = (0, S, SO, SO2, imino-interrupted) alkylene), were prep'd. as phosphodiesterase IV inhibitors for treating osteoporosis, tumors, cachexia, atherosclerosis, rheumatoid arthritis, multiple sclerosis, diabetes mellitus, inflammatory processes, allergies, asthma, autoimmune diseases, myocardial diseases and AIDS (no data). Thus, 3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-4H-pyridazine was treated sequentially with 1-chloro-2-methyl-2-propanol, 4-methylpyridine, ethanolaniline, and 4-methoxybenzaldehyde to give 4-methoxy-2-methyl-5,6-dihydro-3-(3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-4H-pyridazin-1-yl)-2-oxyethyl)oxime.

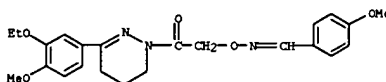
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034206-36-3P 034206-37-4P 034206-38-5P  
034206-40-9P 034206-41-0P 034206-42-1P  
034206-43-2P 034206-45-4P 034206-48-7P  
034206-50-1P 034206-51-2P 034206-53-6P  
034206-56-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

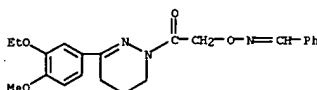
(preparation of pyridazinylloximes as phosphodiesterase IV inhibitors)

RN 634206-27-2 CAPLUS

CN Pyridazine, 3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-1-[[[(4-methoxyphenyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

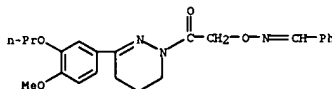


RN 634206-28-3 CAPLUS  
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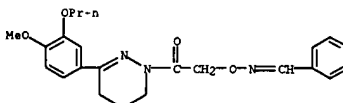


RN 634206-29-4 CAPLUS  
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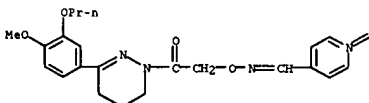
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



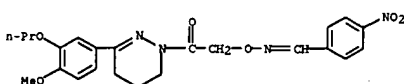
RN 634206-34-1 CAPLUS  
CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[4-(pyridinylmethylene)amino]oxy]acetyl]- (9CI) (CA INDEX NAME)



RN 634206-35-2 CAPLUS  
CN Pyridazine, 1,4,5,6-tetrahydro-3-(4-methoxy-3-propoxyphenyl)-1-[[[(1-oxido-4-pyridinyl)methylene]amino]oxy]acetyl]- (9CI) (CA INDEX NAME)

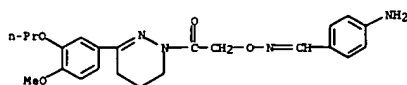


RN 634206-36-3 CAPLUS  
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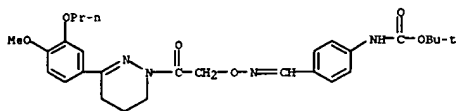


RN 634206-37-4 CAPLUS  
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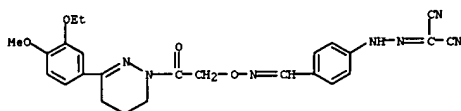
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



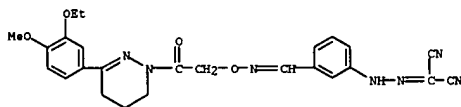
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 CN Carbanic acid, [4-[[[2-[5,6-dihydro-3-(4-methoxy-3-propoxyphenyl)-1(4H)-pyridazinyl]-2-oxoethoxy]imino]methyl]phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



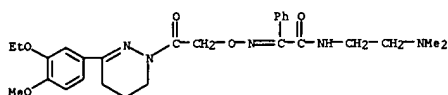
RN 634206-40-9 CAPLUS  
 CN Pyridazine, 1-[[[4-[(dicyanomethylene)hydrazino]phenyl]methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)



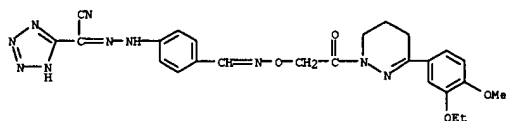
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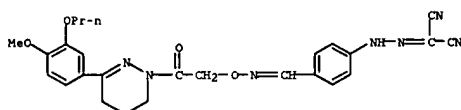
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 634206-50-1 CAPLUS  
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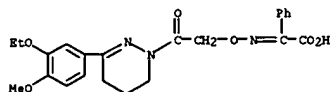
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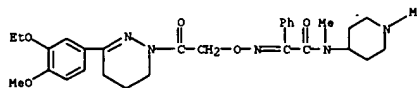
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 CN Pyridazine, 1-[[[4-[(dicyanomethylene)hydrazino]phenyl]methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-, potassium salt (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

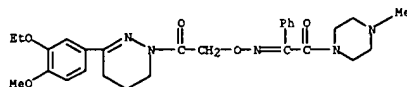
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 CN Benzenesacetic acid, α-[[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-1(4H)-pyridazinyl]-2-oxoethoxy]imino]- (9CI) (CA INDEX NAME)



RN 634206-43-2 CAPLUS  
 CN Benzenesacetamide, α-[[2-[3-(3-ethoxy-4-methoxyphenyl)-5,6-dihydro-1(4H)-pyridazinyl]-2-oxoethoxy]imino]-N-methyl-N-(1-methyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

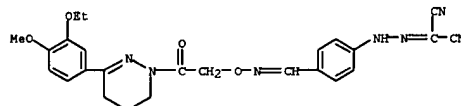


RN 634206-45-4 CAPLUS  
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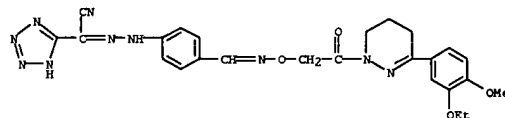


RN 634206-48-7 CAPLUS  
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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

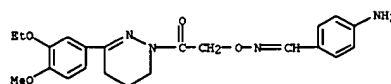


RN 634206-56-7 CAPLUS  
 CN Pyridazine, 1-[[[4-[(cyano-1H-tetrazol-5-ylmethylene)hydrazino]phenyl]methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro-, monopotassium salt (9CI) (CA INDEX NAME)



IT 634206-57-8  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of pyridazinylloximes as phosphodiesterase IV inhibitors)

RN 634206-57-8 CAPLUS  
 CN Pyridazine, 1-[[[4-[(4-aminophenyl)methylene]amino]oxy]acetyl]-3-(3-ethoxy-4-methoxyphenyl)-1,4,5,6-tetrahydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT